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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/294,956	04/20/1999	INGEMAR J. COX	12558	6648	
23389 75	90 08/23/2005		EXAMINER		
	OTT MURPHY & PRE	ESSER, PC	ZAND, K	AMBIZ	
400 GARDEN (SUITE 300	CITY PLAZA		ART UNIT	PAPER NUMBER	
GARDEN CITY, NY 11530			2132		
			DATE MAIL ED. 09/22/2001	•	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Examinar		Application No.		Applicant(s)	·
Examiner				COX ET AL.	
## Control of Reply ## Fire for for Reply ## A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MALING DATE OF THIS COMMUNICATION. ## A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MALING DATE OF THIS COMMUNICATION. ## Exercision of time map be available where the proprisers of 3 CFR 1.136(s). In or event, however, may a reply be trimely filed after the proprisers of 3 CFR 1.136(s). In or event, however, may a reply be trimely filed after the proprisers of 3 CFR 1.136(s). In or event, however, may a reply be trimely filed after the proprise of 3 CFR 1.136(s). In or event, however, may a reply be trimely filed. ## In a second to the proprise of 3 CFR 1.136(s). In or event, however, may a reply be trimely filed. ## It is period for map by event date of 3 CFR 1.136(s). In or event, however, may a reply be trimely filed. ## It is period for the pay second and a charge period will apply within the salution or many of the pay be considered timely. ## It is period for the pay second and a think to pay within the salution or many of the pay of the scommunication. ## It is period for the pay second and the pay of the pay within the salution provided and pay of the scommunication. ## It is period for the pay second and pay of the pay of the scommunication. ## It is a ction is FINAL. ## It is a ction is FINAL. ## It is a ction is non-final. ## It is a ction is FINAL. ## It is a ction is FINAL. ## It is a ction is FINAL. ## It is a ction is reply and a coordance of the pay of the communication of the pay of	0			Art Unit	
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Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☒ The drawing(s) filed on 13 September 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1 ☐ Certified copies of the priority documents have been received. 2 ☐ Certified copies of the priority documents have been received in Application No 3 ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. **Attachment(s)** 1) ☒ Notice of References Cited (PTO-892) Paper No(s)/Mail Date Paper No(s)/Mail Date 5) ☐ Notice of Informal Patent Application (PTO-152) Notice of Informal Patent Application (PTO-152) Notice of Informal Patent Application (PTO-152)	A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a report of the provision of the maximum statutory period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by statute any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Tatus 1) Responsive to communication(s) filed on 22. 2a) This action is FINAL. 2b) The Since this application is in condition for allow closed in accordance with the practice under the practice under the properties of the above claim(s) is/are pending in the application of Claims 4) Claim(s) 130-133 is/are pending in the application of Claim(s) is/are allowed. Claim(s) 130-133 is/are rejected.	AY IS SET TO EXIT 136(a). In no event, how ply within the statutory mid will apply and will expire te, cause the applicationing date of this communication. It is action is non-fire text parte Quayle section.	PIRE 3 MONTH(vever, may a reply be time inimum of thirty (30) day SIX (6) MONTHS from to become ABANDONE cation, even if timely filed nal. ormal matters, properties of the companies of the co	S) FROM nely filed s will be considered to the mailing date of the D (35 U.S.C. § 133). d, may reduce any rosecution as to	imely. is communication.
Attachment(s) 1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 6) Other:	9) The specification is objected to by the Exam 10) The drawing(s) filed on 13 September 2004 Applicant may not request that any objection to Replacement drawing sheet(s) including the co 11) The oath or declaration is objected to by the Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for for a) All b) Some * c) None of: 1. Certified copies of the priority docured to the priority docu	the drawing(s) be horrection is required to Examiner. Note the Examiner of the	if the drawing(s) is the attached Offer or 35 U.S.C. § 11 received. received in Appl ats have been rec 17.2(a)). ed copies not rec	objected to. See fice Action or for 9(a)-(d) or (f). ication No ceived in this Note ived.	37 CFR 1.121(d). orm PTO-152. ational Stage
Paper No(s)/Wall Date Part of Paper No./Mail Date 2005081	Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-9-3) Information Disclosure Statement(s) (PTO-1449 or PTO/Paper No(s)/Mail Date	48) /SB/08)	4) Interview Sun Paper No(s)/N 5) Notice of Info 6) Other:	nmary (PTO-413) Aail Date rmal Patent Applic	ation (PTO-152)

DETAILED ACTION

- 1. The text of those sections of Title 35,U.S.Code not included in this section can be found in the prior office action.
- The prior office actions are incorporated herein by reference. In particular, the observations with respect to claim language, and response to previously presented arguments.
- Claims 1-129 and 134 have been cancelled.
- 4. Claims 130-133 have been amended.
- 5. Claims 130-133 are considered.

Response to Arguments

6. Applicant's arguments with respect to the claims have been considered but are most in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

7. Claims 130-133 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mauratani et al (6,061,451 A) in view of Ruppert et al. (5,640,002 A), and further in view of Perlman (5,175,765).

As per claims 130 and 132 Mauratani et al (6,061,451 A) teach a method, a device for inserting data into digital data comprising at least one of an image data content

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file, a video data content file and an audio data content file (see fig.19 referees to stream data and fig. 23 disclose both audio and video file; also see associated text) for subsequent authentication of the digital data (see fig.1 where the authentication of inserted data digital data that has been received from a network in the form of scrambled data is being authenticated; col.6, lines 12-19 where the data is scrambled by scrambled circuit using an scrambled key, the key corresponds to the inserted data as also shown in col.5, lines 14-16), the device comprising:

An antenna for receiving data from a radio frequency transmission (see col.5, lines 20-24 where the data network received may be received from an antenna that corresponds to a radio frequency that also have antenna transmission and receiver as an inherent part of its system);

Means for inserting the data into the digital data image (see col.5, lines 14-30; col.6, lines 13-20; col.7, lines 65-67; col.8, lines 1-27; also see image data such as mpeg in the entire reference; Also see col.5-28 where different embodiment using above methods and means of claims 130 and 132 are disclosed) but do not disclose explicitly receiving data comprising a public key and insertion of the received data into predetermined bits portions. However Ruppert et al. (5,640,002 A) disclose receiving data comprising a public key and insertion of the received data into predetermined bits portions (see fig. 41 where block 749 discloses sending or receiving of public key, block 751 discloses digital data consisting of serial number and store id and insertion of public key as received data into bit portions that is the encrypted digital data (encrypting using public key), and block 753,757,759 for

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authentication based on the received data). It would have been obvious to one of ordinary skilled in the art at the time the invention was made to utilize Ruppert's public key insertion into digital data in Mauratani's authentication based system on such insertion in order to authenticate the digital data in a secure fashion using public key crypto system.

Mauratani et al (6,061,451 A) in view of Ruppert et al. (5,640,002 A) do not disclose that the receiving data includes digital signature and the public key included. However Perlman (5,175,765 A) disclose a digital data may include digital signature including the public key (see fig.2 and associated text). Therefore it would have been obvious to utilize Perlman's digital data format that includes digital signature and public key in Mauratani's authentication based system in view of Ruppert's public key insertion into digital data in order to control the transmission of duplicates packets (see col.2, lines 6-7).

As per claims 131 and 133 Mauratani et al (6,061,451 A) teach a method, a device for inserting data into a digital image comprising at least one of an image data content file, a video data content file and an audio data content file (see fig.19 refers to stream data and fig. 23 disclose both audio and video file; also see associated text) for subsequent authentication of the digital image (see fig.1 where the authentication of inserted data digital data that has been received from a network in the form of scrambled data is being authenticated; col.6, lines 12-19 where the data

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is scrambled by scrambled circuit using an scrambled key, the key corresponds to the inserted data as also shown in col.5, lines 14-16), the device comprising:

A computer capable of accessing the Internet and receiving data from an Internet link (see col.8, lines 49-57; col.8, lines 58-63);

Means for inserting the data into the digital image(see col.5, lines 14-30; col.6, lines 13-20; col.7, lines 65-67; col.8, lines 1-27; also see image data such as mpeg in the entire reference; Also see col.5-28 where different embodiment using above methods and means of claims 131 and 133 are disclosed) but do not disclose explicitly receiving data comprising a public key and insertion of the received data into predetermined bits portions. However Ruppert et al. (5,640,002 A) disclose receiving data comprising a public key and insertion of the received data into predetermined bits portions (see fig. 41 where block 749 discloses sending or receiving of public key, block 751 discloses digital data consisting of serial number and store id and insertion of public key as received data into bit portions that is the encrypted digital data (encrypting using public key), and block 753,757,759 for authentication based on the received data). It would have been obvious to one of ordinary skilled in the art at the time the invention was made to utilize Ruppert's public key insertion into digital data and authentication based on such insertion in order to authenticate the digital data in a secure fashion using public key crypto system.

Mauratani et al (6,061,451 A) in view of Ruppert et al. (5,640,002 A) do not disclose that the receiving data includes digital signature and the public key included.

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However Perlman (5,175,765 A) disclose a digital data may include digital signature including the public key (see fig.2 and associated text). Therefore it would have been obvious to utilize Perlman's digital data format that includes digital signature and public key in Mauratani's authentication based system in view of Ruppert's public key insertion into digital data in order to control the transmission of duplicates packets (see col.2, lines 6-7).

Conclusion

- The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Please see enclosed PTO-892.
- 9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kambiz Zand whose telephone number is (571) 272-3811. The examiner can normally reached on Monday-Thursday (8:00-5:00). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on (571) 272-3799. The fax phone numbers for the organization where this application or proceeding is assigned as (703) 872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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